

ABSTRACT

There is provided an information processing device, method thereof and recording medium for evenly allotting band to both a band-guaranteed class and a non-guaranteed class. When packets are transferred from a node 1-1 to a node 1-4, a packet scheduling algorithm performs weighting of the band-guaranteed class and non-guaranteed class according to the following formula, and the calculated band is allotted to the band-guaranteed class and the non-guaranteed class. In the following formula where:

$$\text{weight} = (b_{cx} + B_{\text{excess}} + /n) / B_{\text{all}}$$

b_{cx} is the band allotted to class C_x , B_{excess} is any of the surplus band not allotted to any class, and B_{all} is the total available band of the entire class possessing borrowable attributes.